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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/713,247

11/13/2003

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EXAMINER

CAPUTO, LISA M

ART UNIT

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/713,247	<b>Applicant(s)</b> BOYER, CHARLES E.	
	<b>Examiner</b> Lisa M. Caputo	<b>Art Unit</b> 2876	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 28 December 2006 and 26 April 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,4-8 and 16 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,4-8 and 16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Amendment*

1. Receipt is acknowledged of the amendments filed 28 December 2006 and 26 April 2007.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 4, 8, and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wankmueller (U.S. Patent No. 6,857,566) in view of Nishikado et al. (U.S. Patent No. 6,572,025, from hereinafter "Nishikado").

Regarding claims 1, 8, and 16, Wankmueller teaches a high-security transaction card including account representation information for an entity comprising a card body having a perimeter and at least one face (payment card 10), and at least one information symbol (barcode 20 encoded with at least one or more digits of the payment account number) comprising a symbolic representation of coded data including the account representation information wherein the symbol is located within the perimeter of the face of the card and where the information encoded is not otherwise represented in human-readable form on the card body so that the identification can only be made by decoding the symbol. Regarding claim 4, Wankmueller teaches the use of a conventional payment card, which is made of materials which are disposable (i.e.

cardboard and plastic). Further regarding claim 8, Wankmueller teaches the use of an optical barcode reader at the point of sale terminal which is able to read the code, generate a signal indicative of the symbol, and further decode the symbol so that the information can be transferred back to human readable information (see Figure 1, col 3, lines 29-35 and col 3 line 65 to col 4 line 25).

Regarding claims 1, 8, and 16, although Wankmueller does indeed teach the use of a barcode symbol, Wankmueller fails to teach the use of a two dimensional binary symbol (i.e. two-dimensional barcode) and reader, and that entity identification information is stored within the coded data that is useable for comparing with a characteristic of the entity associated with the card.

Nishikado teaches a high-security transaction card (ID card 305) that comprises at least one two-dimensional binary information symbol (two dimensional codes 306a-306d for coding a password, name, signature, and the like) comprising a symbolic representation of coded data (see Figures 12-15, col 22 line 55 to col 23 line 40 and col 24). In addition, Nishikado teaches a tablet 327 which is an input device for inputting a character such as a user's signature which is to be verified with the data stored in the code (see Figure 14, col 26, lines 23-35). Further, Nishikado discloses that as a barcode reading device, an image scanner can be adopted. Nishikado discloses an information code reading apparatus (140) for reading information codes from an information code product with a code-including image which includes a unit of information codes with a specific color, in a desired region at a desired position, comprises: an image capturing member (141) for capturing data of the code-including

image on the product (e.g., bar code sticker 101), an information code extracting member (142) for extracting the information codes by extracting an image with the specific color from the data of the code-including image captured by the image capturing member, and a decoding member (143) for decoding the information codes extracted by the information code extracting member (see Figure 5, col 17, lines 1-20). Hence, Nishikado teaches two dimensional codes that are able to be read and that store account information and entity identification information (via the two dimensional codes 306a-306d for coding a password, name, signature, and the like) (see col 24).

In view of the teaching of Nishikado, it would have been obvious to one of ordinary skill in the art at the time the invention was made to employ the use of a two-dimensional binary code and a reader for the code, because a two-dimensional code is able to store more information within a card and hence is more cost effective (i.e. the code can store more pertinent data such as name, address, account information etc.). Also, a two-dimensional code is also able to maintain a shape that is easy for scanning because it stores information in both horizontal and vertical directions. In addition, it would have been obvious to one of ordinary skill in the art at the time the invention was made to employ entity identification information along with account information so that the user can be distinctly verified so that there is no fraudulent activity in the system.

3. Claims 5-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wankmueller as modified by Nishikado and further in view of Tahan (U.S. Patent Application Publication No. 2002/0111830). The teachings of Wankmueller as modified by Nishikado are above.

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Regarding claims 5-7, Wankmueller as modified by Nishikado fails to specifically teach the high-security card in the embodiments of a library patron identification and circulation control card, a building access card, or a medical information and patient history card.

Tahan teaches the use of an access code 54 for a medical patient including information which can be provided on a bracelet 52, or encoded onto a card 56 in the form of a barcode (see Figure 3, paragraphs 39-40).

In view of the teaching of Tahan, it would have been obvious to one of ordinary skill in the art at the time the invention was made to employ the high-security card in different embodiments because it is favorable to be able to add additional security to many different objects in order to retain customer information safely. It is favorable to maintain customer information safety so that the overall system can run efficiently (i.e. the customer's assets are protected, as well as the business' assets). Although Tahan teaches of a medical patient card, it is well known in the art that the realm of identification cards includes building access cards and library patron cards (i.e. these identification cards are all art-recognized equivalents).

### ***Response to Arguments***

4. Applicant's arguments with respect to claims 1, 4-8, and 16 have been considered but are moot in view of the new ground(s) of rejection. However, Examiner will respond to an argument which is still relevant.

5. In response to applicant's argument that Wankmueller and Nishikado do not disclose, teach, or suggest alone or in combination a two dimensional symbol

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containing account information and user information to compare with a characteristic of the entity, examiner respectfully disagrees and submits that Wankmueller teaches a barcode symbol with account information, and this symbol is improved by the system of Nishikado, which teaches two dimensional codes that are able to be read and that store account information and entity identification information (via the two dimensional codes 306a-306d for coding a password, name, signature, and the like) (see col 24). In addition, Nishikado teaches a tablet 327 which is an input device for inputting a character such as a user's signature which is to be verified with the data stored in the code (see Figure 14, col 26, lines 23-35)

### ***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


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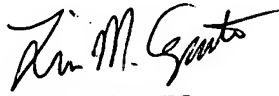
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Lisa M. Caputo** whose telephone number is **(571) 272-2388**. The examiner can normally be reached between the hours of 8:30AM to 5:00PM Monday through Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached at **(571) 272-2398**. The fax phone number for this Group is (571) 273-8300.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to **[lisa.caputo@uspto.gov]**.

*All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.*

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Lisa M. Caputo  
AU 2876  
July 19, 2007

  
LISA CAPUTO  
PRIMARY PATENT EXAMINER